

SEQUENCE LISTING

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<120> Treatment of Conditions Involving Dopaminergic Neuronal
 Degeneration Using Nogo Receptor Antagonists

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 <151> 2004-01-30

<160> 22

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<210> 1
 <211> 344
 <212> PRT
 <213> Homo sapiens

<400> 1

Met Lys Arg Ala Ser Ala Gly Gly Ser Arg Leu Leu Ala Trp Val Leu
 1 5 10 15

Trp Leu Gln Ala Trp Gln Val Ala Ala Pro Cys Pro Gly Ala Cys Val
 20 25 30

Cys Tyr Asn Glu Pro Lys Val Thr Thr Ser Cys Pro Gln Gln Gly Leu
 35 40 45

Gln Ala Val Pro Val Gly Ile Pro Ala Ala Ser Gln Arg Ile Phe Leu
 50 55 60

His Gly Asn Arg Ile Ser His Val Pro Ala Ala Ser Phe Arg Ala Cys
 65 70 75 80

Arg Asn Leu Thr Ile Leu Trp Leu His Ser Asn Val Leu Ala Arg Ile
 85 90 95

Asp Ala Ala Ala Phe Thr Gly Leu Ala Leu Leu Glu Gln Leu Asp Leu
 100 105 110

Ser Asp Asn Ala Gln Leu Arg Ser Val Asp Pro Ala Thr Phe His Gly
 115 120 125

Leu Gly Arg Leu His Thr Leu His Leu Asp Arg Cys Gly Leu Gln Glu
 130 135 140

Leu Gly Pro Gly Leu Phe Arg Gly Leu Ala Ala Leu Gln Tyr Leu Tyr
 145 150 155 160

Leu Gln Asp Asn Ala Leu Gln Ala Leu Pro Asp Asp Thr Phe Arg Asp
 165 170 175

Leu Gly Asn Leu Thr His Leu Phe Leu His Gly Asn Arg Ile Ser Ser
 180 185 190

Val Pro Glu Arg Ala Phe Arg Gly Leu His Ser Leu Asp Arg Leu Leu
 195 200 205

Leu His Gln Asn Arg Val Ala His Val His Pro His Ala Phe Arg Asp
 210 215 220

Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe Ala Asn Asn Leu Ser Ala
 225 230 235 240

Leu Pro Thr Glu Ala Leu Ala Pro Leu Arg Ala Leu Gln Tyr Leu Arg
 245 250 255

Leu Asn Asp Asn Pro Trp Val Cys Asp Cys Arg Ala Arg Pro Leu Trp
 260 265 270

Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser Ser Glu Val Pro Cys Ser
 275 280 285

Leu Pro Gln Arg Leu Ala Gly Arg Asp Leu Lys Arg Leu Ala Ala Asn
 290 295 300

Asp Leu Gln Gly Cys Ala Val Ala Thr Gly Pro Tyr His Pro Ile Trp
 305 310 315 320

Thr Gly Arg Ala Thr Asp Glu Glu Pro Leu Gly Leu Pro Lys Cys Cys
 325 330 335

Gln Pro Asp Ala Ala Asp Lys Ala
 340

<210> 2
 <211> 344
 <212> PRT

<213> Rattus

<400> 2

Met Lys Arg Ala Ser Ser Gly Gly Ser Arg Leu Pro Thr Trp Val Leu
1 5 10 15

Trp Leu Gln Ala Trp Arg Val Ala Thr Pro Cys Pro Gly Ala Cys Val
20 25 30

Cys Tyr Asn Glu Pro Lys Val Thr Thr Ser Arg Pro Gln Gln Gly Leu
35 40 45

Gln Ala Val Pro Ala Gly Ile Pro Ala Ser Ser Gln Arg Ile Phe Leu
50 55 60

His Gly Asn Arg Ile Ser Tyr Val Pro Ala Ala Ser Phe Gln Ser Cys
65 70 75 80

Arg Asn Leu Thr Ile Leu Trp Leu His Ser Asn Ala Leu Ala Gly Ile
85 90 95

Asp Ala Ala Ala Phe Thr Gly Leu Thr Leu Leu Glu Gln Leu Asp Leu
100 105 110

Ser Asp Asn Ala Gln Leu Arg Val Val Asp Pro Thr Thr Phe Arg Gly
115 120 125

Leu Gly His Leu His Thr Leu His Leu Asp Arg Cys Gly Leu Gln Glu
130 135 140

Leu Gly Pro Gly Leu Phe Arg Gly Leu Ala Ala Leu Gln Tyr Leu Tyr
145 150 155 160

Leu Gln Asp Asn Asn Leu Gln Ala Leu Pro Asp Asn Thr Phe Arg Asp
165 170 175

Leu Gly Asn Leu Thr His Leu Phe Leu His Gly Asn Arg Ile Pro Ser
180 185 190

Val Pro Glu His Ala Phe Arg Gly Leu His Ser Leu Asp Arg Leu Leu
195 200 205

Leu His Gln Asn His Val Ala Arg Val His Pro His Ala Phe Arg Asp
210 215 220

Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe Ala Asn Asn Leu Ser Met

Asp Pro Ala Thr Phe His Gly Leu Gly Arg Leu His Thr Leu His Leu
 100 105 110

Asp Arg Cys Gly Leu Gln Glu Leu Gly Pro Gly Leu Phe Arg Gly Leu
 115 120 125

Ala Ala Leu Gln Tyr Leu Tyr Leu Gln Asp Asn Ala Leu Gln Ala Leu
 130 135 140

Pro Asp Asp Thr Phe Arg Asp Leu Gly Asn Leu Thr His Leu Phe Leu
 145 150 155 160

His Gly Asn Arg Ile Ser Ser Val Pro Glu Arg Ala Phe Arg Gly Leu
 165 170 175

His Ser Leu Asp Arg Leu Leu Leu His Gln Asn Arg Val Ala His Val
 180 185 190

His Pro His Ala Phe Arg Asp Leu Gly Arg Leu Met Thr Leu Tyr Leu
 195 200 205

Phe Ala Asn Asn Leu Ser Ala Leu Pro Thr Glu Ala Leu Ala Pro Leu
 210 215 220

Arg Ala Leu Gln Tyr Leu Arg Leu Asn Asp Asn Pro Trp Val Cys Asp
 225 230 235 240

Cys Arg Ala Arg Pro Leu Trp Ala Trp Leu Gln Lys Phe Arg Gly Ser
 245 250 255

Ser Ser Glu Val Pro Cys Ser Leu Pro Gln Arg Leu Ala Gly Arg Asp
 260 265 270

Leu Lys Arg Leu Ala Ala Asn Asp Leu Gln Gly Cys Ala
 275 280 285

<210> 4
 <211> 319
 <212> PRT
 <213> Homo sapiens

<400> 4

Pro Cys Pro Gly Ala Cys Val Cys Tyr Asn Glu Pro Lys Val Thr Thr
 1 5 10 15

Ser Cys Pro Gln Gln Gly Leu Gln Ala Val Pro Val Gly Ile Pro Ala

20	25	30
Ala Ser Gln Arg Ile Phe Leu His Gly Asn Arg Ile Ser His Val Pro		
35	40	45
Ala Ala Ser Phe Arg Ala Cys Arg Asn Leu Thr Ile Leu Trp Leu His		
50	55	60
Ser Asn Val Leu Ala Arg Ile Asp Ala Ala Ala Phe Thr Gly Leu Ala		
65	70	75
Leu Leu Glu Gln Leu Asp Leu Ser Asp Asn Ala Gln Leu Arg Ser Val		
85	90	95
Asp Pro Ala Thr Phe His Gly Leu Gly Arg Leu His Thr Leu His Leu		
100	105	110
Asp Arg Cys Gly Leu Gln Glu Leu Gly Pro Gly Leu Phe Arg Gly Leu		
115	120	125
Ala Ala Leu Gln Tyr Leu Tyr Leu Gln Asp Asn Ala Leu Gln Ala Leu		
130	135	140
Pro Asp Asp Thr Phe Arg Asp Leu Gly Asn Leu Thr His Leu Phe Leu		
145	150	155
His Gly Asn Arg Ile Ser Ser Val Pro Glu Arg Ala Phe Arg Gly Leu		
165	170	175
His Ser Leu Asp Arg Leu Leu Leu His Gln Asn Arg Val Ala His Val		
180	185	190
His Pro His Ala Phe Arg Asp Leu Gly Arg Leu Met Thr Leu Tyr Leu		
195	200	205
Phe Ala Asn Asn Leu Ser Ala Leu Pro Thr Glu Ala Leu Ala Pro Leu		
210	215	220
Arg Ala Leu Gln Tyr Leu Arg Leu Asn Asp Asn Pro Trp Val Cys Asp		
225	230	235
Cys Arg Ala Arg Pro Leu Trp Ala Trp Leu Gln Lys Phe Arg Gly Ser		
245	250	255
Ser Ser Glu Val Pro Cys Ser Leu Pro Gln Arg Leu Ala Gly Arg Asp		
260	265	270

Leu Lys Arg Leu Ala Ala Asn Asp Leu Gln Gly Cys Ala Val Ala Thr
275 280 285

Gly Pro Tyr His Pro Ile Trp Thr Gly Arg Ala Thr Asp Glu Glu Pro
290 295 300

Leu Gly Leu Pro Lys Cys Cys Gln Pro Asp Ala Ala Asp Lys Ala
305 310 315

<210> 5
<211> 284
<212> PRT
<213> Rattus

<400> 5

Cys Pro Gly Ala Cys Val Cys Tyr Asn Glu Pro Lys Val Thr Thr Ser
1 5 10 15

Arg Pro Gln Gln Gly Leu Gln Ala Val Pro Ala Gly Ile Pro Ala Ser
20 25 30

Ser Gln Arg Ile Phe Leu His Gly Asn Arg Ile Ser Tyr Val Pro Ala
35 40 45

Ala Ser Phe Gln Ser Cys Arg Asn Leu Thr Ile Leu Trp Leu His Ser
50 55 60

Asn Ala Leu Ala Gly Ile Asp Ala Ala Ala Phe Thr Gly Leu Thr Leu
65 70 75 80

Leu Glu Gln Leu Asp Leu Ser Asp Asn Ala Gln Leu Arg Val Val Asp
85 90 95

Pro Thr Thr Phe Arg Gly Leu Gly His Leu His Thr Leu His Leu Asp
100 105 110

Arg Cys Gly Leu Gln Glu Leu Gly Pro Gly Leu Phe Arg Gly Leu Ala
115 120 125

Ala Leu Gln Tyr Leu Tyr Leu Gln Asp Asn Asn Leu Gln Ala Leu Pro
130 135 140

Asp Asn Thr Phe Arg Asp Leu Gly Asn Leu Thr His Leu Phe Leu His
145 150 155 160

Gly Asn Arg Ile Pro Ser Val Pro Glu His Ala Phe Arg Gly Leu His
165 170 175

Ser Leu Asp Arg Leu Leu Leu His Gln Asn His Val Ala Arg Val His
180 185 190

Pro His Ala Phe Arg Asp Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe
195 200 205

Ala Asn Asn Leu Ser Met Leu Pro Ala Glu Val Leu Val Pro Leu Arg
210 215 220

Ser Leu Gln Tyr Leu Arg Leu Asn Asp Asn Pro Trp Val Cys Asp Cys
225 230 235 240

Arg Ala Arg Pro Leu Trp Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser
245 250 255

Ser Gly Val Pro Ser Asn Leu Pro Gln Arg Leu Ala Gly Arg Asp Leu
260 265 270

Lys Arg Leu Ala Thr Ser Asp Leu Glu Gly Cys Ala
275 280

<210> 6
<211> 318
<212> PRT
<213> Rattus

<400> 6

Cys Pro Gly Ala Cys Val Cys Tyr Asn Glu Pro Lys Val Thr Thr Ser
1 5 10 15

Arg Pro Gln Gln Gly Leu Gln Ala Val Pro Ala Gly Ile Pro Ala Ser
20 25 30

Ser Gln Arg Ile Phe Leu His Gly Asn Arg Ile Ser Tyr Val Pro Ala
35 40 45

Ala Ser Phe Gln Ser Cys Arg Asn Leu Thr Ile Leu Trp Leu His Ser
50 55 60

Asn Ala Leu Ala Gly Ile Asp Ala Ala Ala Phe Thr Gly Leu Thr Leu
65 70 75 80

Leu Glu Gln Leu Asp Leu Ser Asp Asn Ala Gln Leu Arg Val Val Asp
85 90 95

Pro Thr Thr Phe Arg Gly Leu Gly His Leu His Thr Leu His Leu Asp
100 105 110

Arg Cys Gly Leu Gln Glu Leu Gly Pro Gly Leu Phe Arg Gly Leu Ala
115 120 125

Ala Leu Gln Tyr Leu Tyr Leu Gln Asp Asn Asn Leu Gln Ala Leu Pro
130 135 140

Asp Asn Thr Phe Arg Asp Leu Gly Asn Leu Thr His Leu Phe Leu His
145 150 155 160

Gly Asn Arg Ile Pro Ser Val Pro Glu His Ala Phe Arg Gly Leu His
165 170 175

Ser Leu Asp Arg Leu Leu Leu His Gln Asn His Val Ala Arg Val His
180 185 190

Pro His Ala Phe Arg Asp Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe
195 200 205

Ala Asn Asn Leu Ser Met Leu Pro Ala Glu Val Leu Val Pro Leu Arg
210 215 220

Ser Leu Gln Tyr Leu Arg Leu Asn Asp Asn Pro Trp Val Cys Asp Cys
225 230 235 240

Arg Ala Arg Pro Leu Trp Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser
245 250 255

Ser Gly Val Pro Ser Asn Leu Pro Gln Arg Leu Ala Gly Arg Asp Leu
260 265 270

Lys Arg Leu Ala Thr Ser Asp Leu Glu Gly Cys Ala Val Ala Ser Gly
275 280 285

Pro Phe Arg Pro Phe Gln Thr Asn Gln Leu Thr Asp Glu Glu Leu Leu
290 295 300

Gly Leu Pro Lys Cys Cys Gln Pro Asp Ala Ala Asp Lys Ala
305 310 315

<210> 7
<211> 22
<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic antibody

<400> 7

Ala Ala Ala Phe Thr Gly Leu Thr Leu Leu Glu Gln Leu Asp Leu Ser
1 5 10 15

Asp Asn Ala Gln Leu Arg
20

<210> 8

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic antibody

<400> 8

Leu Asp Leu Ser Asp Asn Ala Gln Leu Arg
1 5 10

<210> 9

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic antibody

<400> 9

Leu Asp Leu Ser Asp Asp Ala Glu Leu Arg
1 5 10

<210> 10

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic antibody

<400> 10

Leu Asp Leu Ala Ser Asp Asn Ala Gln Leu Arg
1 5 10

<210> 11

<211> 11

<212> PRT

<213> Artificial Sequence

<220>
 <223> Synthetic antibody

 <400> 11

 Leu Asp Leu Ala Ser Asp Asp Ala Glu Leu Arg
 1 5 10

 <210> 12
 <211> 11
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic antibody

 <400> 12

 Leu Asp Ala Leu Ser Asp Asn Ala Gln Leu Arg
 1 5 10

 <210> 13
 <211> 11
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic antibody

 <400> 13

 Leu Asp Ala Leu Ser Asp Asp Ala Glu Leu Arg
 1 5 10

 <210> 14
 <211> 11
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic antibody

 <400> 14

 Leu Asp Leu Ser Ser Asp Asn Ala Gln Leu Arg
 1 5 10

 <210> 15
 <211> 11
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Synthetic antibody

 <400> 15

Leu Asp Leu Ser Ser Asp Glu Ala Glu Leu Arg
1 5 10

<210> 16
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic antibody

<400> 16

Asp Asn Ala Gln Leu Arg Val Val Asp Pro Thr Thr
1 5 10

<210> 17
<211> 6
<212> PRT
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<220>
<223> Synthetic antibody

<400> 17

Asp Asn Ala Gln Leu Arg
1 5

<210> 18
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic antibody

<400> 18

Ala Asp Leu Ser Asp Asn Ala Gln Leu Arg Val Val Asp Pro Thr Thr
1 5 10 15

<210> 19
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic antibody

<400> 19

Leu Ala Leu Ser Asp Asn Ala Gln Leu Arg Val Val Asp Pro Thr Thr
1 5 10 15

<210> 20
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic antibody

<400> 20

Leu Asp Leu Ser Asp Asn Ala Ala Leu Arg Val Val Asp Pro Thr Thr
1 5 10 15

<210> 21
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic antibody

<400> 21

Leu Asp Leu Ser Asp Asn Ala Gln Leu His Val Val Asp Pro Thr Thr
1 5 10 15

<210> 22
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic antibody

<400> 22

Leu Asp Leu Ser Asp Asn Ala Gln Leu Ala Val Val Asp Pro Thr Thr
1 5 10 15

